Applicants

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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

(Original) A method of enlarging micropores having a size less than a 1.

predetermined size in a microporous carbon material comprising the steps of;

selecting a liquid reagent acting as an oxidant at elevated temperature for which the

molecules thereof are absorbed in the micropores to be enlarged; impregnating the

carbon material with said liquid reagent; and thereafter heating the carbon material

to a temperature exceeding the oxidizing temperature for said reagent.

2. (Original) The method according to claim1, wherein the porous carbon

material has a bulk density of at least 0.6 g/cm³, a microporosity of at least

0.45cm³/g as measured by benzene absorption and with a pore size distribution in

which at least 20%, preferably at least 30%, more preferably at least 40% of the

micropores are of a size less than 1 nm, and a specific surface larger than

800m²/g, preferably larger than 1000m²/g; the reagent being water.

3. (Original) The method according to claim 2, wherein the microporous carbon

material is a carbon powder material having micropores produced by halogenation of

a metal or metalloid carbide.

(Currently Amended) The method according to claim 1[,2 or 3], wherein the

impregnating of the porous carbon material is made by saturating the material at the

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boiling temperature of the liquid phase of the reagent and heating the impregnated

carbon material at 800-1200°C, preferably at 900°C, in inert gas atmosphere.

(Original) A microporous carbon material having a bulk density of at least 5.

0.6g/cm³, a specific surface area of 1000-2200 m²/g and a relative specific surface

area by pore size showing a maximum peak within the pore size range 0.75-2.1 nm

according to the Density Functional Theory, at least85% of the total surface area

resulting from pores with a size less than two times of the average? peak pore size

and less than 10% of the total surface area resulting from pores with a size less than

0.65 nm.

(Original) The microporous carbon material according to Claim 5, wherein 6.

less than 1% of the total surface area results from pores with a size less than 0.6 nm.

7. (New) The method according to claim 2, wherein the impregnating of the

porous carbon material is made by saturating the material at the boiling temperature

of the liquid phase of the reagent and heating the impregnated carbon material at

800-1200°C, preferably at 900°C, in inert gas atmosphere.

(New) The method according to claim 3, wherein the impregnating of the 8.

porous carbon material is made by saturating the material at the boiling temperature

of the liquid phase of the reagent and heating the impregnated carbon material at

800-1200°C, preferably at 900°C, in inert gas atmosphere.